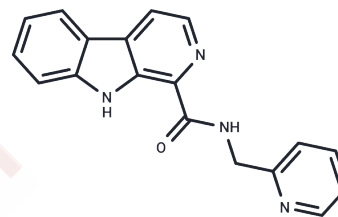


ZDLD13

## Chemical Properties

CAS No. : 2762278-95-3  
 Formula: C<sub>18</sub>H<sub>14</sub>N<sub>4</sub>O  
 Molecular Weight: 302.33  
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
 Actual storage temperature shall be subject to the COA.



## Biological Description

Description	ZDLD13 is a $\beta$ -carboline that exhibits potent anti-HCT116 activity inclusive of inhibition of invasion and migration, inhibition of colony formation, inducing of apoptosis as well as arresting of G1 phase in cell cycle. ZDLD13 is an orally active and selective inhibitor of CDK4/CycD3 (IC <sub>50</sub> = 0.38 $\mu$ M) which exhibits significant inhibition of tumor growth in HCT116 tumor xenograft model [1].
Targets(IC50)	Apoptosis,Others,CDK

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3076 mL	16.5382 mL	33.0764 mL
5 mM	0.6615 mL	3.3076 mL	6.6153 mL
10 mM	0.3308 mL	1.6538 mL	3.3076 mL
50 mM	0.0662 mL	0.3308 mL	0.6615 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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